

DEPARTMENT OF COMMERCE

AFV REPORT

FISCAL YEAR

2001



**U.S. Department of Commerce
Fleet AFV Report for Fiscal Year 2001
November 30, 2001**

This is the *U.S. Department of Commerce Fleet Alternative Fuel Vehicle (AFV) Report for FY 2001*, including planned acquisitions and projections for FY 2002 and FY 2003. The report has been developed in accordance with the Energy Policy Act of 1992 (Public Law (P.L.) 102-486), as amended by the Energy Conservation Reauthorization Act of 1998 (P.L. 105-388) (ECRA), and Executive Order 13149 (April 2000).

For 2001, the Department acquired 42 AFVs qualifying for credits out of a total 163 “covered” vehicles bought or leased during the year. “Covered” vehicles, subject to P.L. 102-486 requirements, are described below. Detailed vehicle acquisition tables are shown on Attachment A.

Legislative Requirements

P.L. 102-486 requires that 75 percent of all covered light-duty vehicles acquired for Federal fleets in FY 1999 and beyond be AFVs (where the fleets have 20 or more light duty vehicles, are capable of being centrally fueled, and are operated in a metropolitan statistical area with a population of more than 250,000 based on the 1980 census). Certain emergency, law enforcement, and national defense vehicles are exempt from these requirements. P.L. 102-486 also sets a goal of using replacement fuels to displace at least 30 percent of the projected consumption of motor fuel in the United States annually by the year 2010. The Energy Conservation and Reauthorization Act of 1998 amended P.L. 102-486 to allow one alternative fuel vehicle acquisition credit for every 450 gallons of pure biodiesel fuel consumed in vehicles over 8,500 pounds gross vehicle weight rating. “Biodiesel credits” may fulfill up to 50 percent of an agency’s P.L. 102-486 requirements.

The head of each Federal agency must prepare and submit an annual report to Congress outlining the agency’s AFV acquisitions and future plans. Executive Order 13149 directs Federal agencies operating a fleet of 20 or more vehicles within the United States to reduce their annual petroleum consumption by at least 20 percent by the end of FY 2005 (compared to FY 1999 levels). Fuel consumption is to be reduced by using alternative fuels in AFVs more than 50 percent of the time, improving the average fuel economy of new light-duty petroleum-fueled vehicle acquisitions by 1 mpg by FY 2002 and 3 mpg by FY 2005, and using other fleet efficiency measures.

Department of Commerce Fleet and Reporting Compliance for FY 2001

In FY 2001, the DOC fleet did not achieve the AFV 75 percent acquisition requirement set forth in P.L. 102-486. We continue to experience difficulty in the acquisition and use of AFVs. These issues include the following: high incremental cost of certain AFV models, limited access to alternative fuel infrastructure and service in certain areas, and inadequate information on available AFVs. We have met with the General Services Administration (GSA) fleet management team and all DOC fleet managers to address the aforementioned issues and to develop an acquisition strategy to increase the number of AFVs Department-wide.

The Department of Energy (DOE) and the General Services Administration (GSA) developed a computer system, Federal Automotive Statistical Tool (FAST), that would allow all federal

agencies to accomplish the required data gathering and prepare the required reports in a standardized format. DOE planned to forward all agency reports to Congress. Due to administrative and technical problems with the FAST system, DOE did not transmit the reports for fiscal years 1999, 2000, and 2001, causing federal agencies to be noncompliant with the law.

Consequently, Earthjustice, on behalf of the Center for Biological Diversity, the Bluewater Network, and the Sierra Club, filed a lawsuit against 18 federal agencies for noncompliance with Public Law 102-486. The U. S. District Court for the Northern District of California, ruled that all overdue (FY 1999, FY2000, and FY 2001) AFV reports must be forwarded to Congress by November 26, 2002. The court ruling further requires that the reports be posted on each agency's website by January 31, 2003, with notice of availability of the reports to be published in the Federal Register by the same date. We are on target to meet the January deadline.

Department of Commerce's Fleet AFV Acquisitions for FY 2002 and FY 2003

Attachments B and C provide detailed information on planned vehicle acquisitions and inventory for the Department of Commerce's fleets for FY 2002 and FY 2003. During FY 2001, the Department of Commerce's fleets were in the planning stages of determining the number of light-duty vehicles to be acquired in the future and how many of those would be alternative fuel vehicles.

Alternative Fuel Use by the Department of Commerce Fleet in FY 2001

The table below represents alternative fuel use data, detailed in Attachment D, for the Department of Commerce fleet in FY 2001. The majority of vehicles acquired by the Department of Commerce and other Federal fleets are leased through GSA. The lease includes maintenance and fuel costs for the vehicles. Fuel is purchased with a GSA credit card that allows fleet vehicle users to purchase alternative fuel. However, since product code standards are not uniform among suppliers of alternative fuels (e.g., ethanol or E-85), it is impossible to accurately track the purchase of alternative fuels with this credit card. The exception is natural gas, which is usually purchased at a local utility refueling site, allowing the fleet managers to contact the utility for an accurate accounting of purchased fuel.

The Department of Commerce Fuel Use in FY 2001

Fuel Type	Quantity	Unit
Biodiesel – B100		Gallons
CNG	26,290*	Gallons @ 2,400 psi, 70°F
CNG		Hundred cu. ft.
Diesel	42,762*	Gallons
E-85	162,064*	Gallons
Gasoline	1,018,059*	Gallons
Methanol		Gallons
Propane		Gallons

* Estimate based on incomplete data

Summary

As detailed in this report and the attachments, the Department did not achieve the AFV acquisition requirements of P.L. 102-486 in FY 2001. The Department has met with GSA to discuss procedures to ensure increased acquisition of AFVs. As a result, the Department is in the planning stages of leasing an adequate number of replacement vehicles through GSA in FY 2003 to meet the 75 percent AFV acquisition requirement.

Actuals Department of Commerce FY 2001 Vehicle Acquisitions

Actuals FY 2001 Light-Duty Vehicle Acquisitions				Total Vehicle Inventory
	Leased	Purchased	Total	
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions	208	51	259	1,137
Exemptions	Fleet Size	0	0	0
	Geographic	0	0	0
	Law Enforcement	67	29	126
	Non-MSA Operation	0	0	0
EPACT Covered Acquisitions	141	22	163	1,011
Actuals FY 2001 AFV Acquisitions				Total Vehicle Inventory
Vehicle	Leased	Purchased	Total	
Sedan CNG Bi-Fuel Compact	0	0	0	3
Sedan E-85 Flex-Fuel Midsize	0	0	0	19
Pickup 4x2 E-85 Flex-Fuel Compact	5	0	5	0
Pickup 4x2 E-85 Flex-Fuel Compact Reg Cab	34	0	34	0
Pickup 4x2 CNG Dedicated Full-size Ext Cab	0	0	0	89
Pickup 4x2 CNG Bi-Fuel Full-size Reg Cab	0	0	0	2
Pickup 4x4 E-85 Flex-Fuel Compact Ext Cab	0	0	0	1
MD AFV Other 8,501-16,000 GVWR CNG Bi-Fuel	3	0	3	2
Total Number of AFV Acquisitions	42	0	42	116
Zero Emission Vehicle Credits	0	0	0	
Dedicated Light-Duty AFV Credits	0	0	0	
Dedicated Medium-Duty AFV Credits	0	0	0	
Dedicated Heavy-Duty AFV Credits	0	0	0	
Biodiesel Fuel Usage Credits - Actuals			0	
Total AFV Acquisitions with Credits	42	0	42	
AFV Percentage of Covered Light-Duty Vehicle Acquisition			26%	

Planned Department of Commerce FY 2002 Vehicle Acquisitions

Planned FY 2002 Light-Duty Vehicle Acquisitions

		Leased	Purchased	Total
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		245	16	261
Exemptions	Fleet Size	0	0	0
	Geographic	0	0	0
	Law Enforcement	4	5	9
	Non-MSA Operation	0	0	0
EPACT Covered Acquisitions		241	11	252

Planned FY 2002 AFV Acquisitions

Vehicle		Leased	Purchased	Total
Sedan (SIN 10, 10B)	E-85 Flex-Fuel Midsize	4	0	4
Pickup 4x2 (SIN 60)	E-85 Flex-Fuel Compact	39	0	39
Total Number of AFV Acquisitions		43	0	43
Zero Emission Vehicle Credits		0	0	0
Dedicated Light-Duty AFV Credits		0	0	0
Dedicated Medium-Duty AFV Credits		0	0	0
Dedicated Heavy-Duty AFV Credits		0	0	0
Biodiesel Fuel Usage Credits - Planned				0
Total AFV Acquisitions with Credits		43	0	43
AFV Percentage of Covered Light-Duty Vehicle Acquisition				17%

Projected Department of Commerce FY 2003 Vehicle Acquisitions

Projected FY 2003 Light-Duty Vehicle Acquisitions

		Leased	Purchased	Total
Total number of Light-Duty (8,500 GVWR) - Vehicle Acquisitions		79	18	97
Exemptions	Fleet Size	0	0	0
	Geographic	0	0	0
	Law Enforcement	5	0	5
	Non-MSA	0	0	0
	Operation	0	0	0
EPACT Covered Acquisitions		74	18	92

Projected FY 2003 AFV Acquisitions

Vehicle		Leased	Purchased	Total
Sedan (SIN 10, 10B)	E-85 Flex-Fuel Midsize	4	0	4
Pickup 4x2 (SIN 42)	CNG Dedicated Full-size Reg Cab	0	2	2
Total Number of AFV Acquisitions		4	2	6
Zero Emission Vehicle Credits		0	0	0
Dedicated Light-Duty AFV Credits		0	2	2
Dedicated Medium-Duty AFV Credits		0	0	0
Dedicated Heavy-Duty AFV Credits		0	0	0
Biodiesel Fuel Usage Credits - Projected				0
Total AFV Acquisitions with Credits		4	4	8
AFV Percentage of Covered Light-Duty Vehicle Acquisition				9%

Department of Commerce

Petroleum Consumption Report

Data from this report is comprised of the data submitted through the [Fuel Use and Economy](#) and [Input Fleet Data](#) screens current through FY 2001.

EO 13149 Covered Petroleum Consumption in GGE

	FY 1999 Baseline	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
Gasoline	1,063,047	1,086,565	1,883,730				
Diesel	69,744	133,218	50,767				
Diesel component from biodiesel		298	0				
TOTAL	1,132,791	1,219,783	1,934,497				
Reduction*	N/A	-7.7 %	-70.8 %				

* Reduction is the % reduction compared to the FY 1999 Baseline Total

Alternative Fuel Consumption (in GGE)

	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
CNG	2,129	4,732				
LNG	0	0				
LPG	0	0				
E-85	0	116,686				
Electric	0	0				
M-85	0	0				
Biodiesel (B100)*	75	0				

TOTAL	2,204	121,418
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**Estimated Total Fuel
Used in AFVs**

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**% of Alt Fuel Use in
AFVs w/o biodiesel¹**

*Biodiesel is calculated at 20% of the reported B20 and 100% of the reported B100 fuel used in the Section III Actual Fuel Cost/Consumption by Fuel Type data input screen. Biodiesel is *not* included in the calculation of total fuels used in AFVs because biodiesel itself is not burned in *Alternatively Fueled Vehicles*.

* There is not enough data to generate results. Please enter values for *Estimated Total Fuels used in AFVs* used in **Block 2** in the [Fuel Use and Economy Screen](#).

Average Fuel Economy of non-AFV Light Duty Vehicle Acquisitions (in mpg)

	FY 1999 Baseline	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
Fuel Economy	0.0	0	0				

**Change Compared to
Baseline**

There is not enough data to generate results. Please enter values for *Fuel Economy of LD Non-AFV Acquisitions* used in **Block 3** in the [Baseline Data Input Screen](#)